DESIGN TECHNOLOGY SKILLS PROGRESSION						
	YEAR 1/2	YEAR 314	YEAR 5/6			
DESIGN	Develop purposeful products based on criteria Develop ideas through talking Model and communicate ideas through drawing and making models Begin to use technology to communicate ideas	Use research to develop designs Develop innovative, functional and appealing products that are design for a particular purpose Generate, develop and communicate ideas through discussion with others Use annotated sketches, prototypes, pattern pieces and technology to generate, develop and communicate ideas.	Use research and develop criteria to inform design Develop innovative, functional and appealing products that are aimed at particular individuals or groups Generate, develop, and communicate ideas through discussion, actively seeking the views of others. Use annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and technology to generate, develop, model and communicate ideas.			

		Fold, tear and cut paper and card.	Cut slots.	Cut slots.
	Mark out materials to be cut using a template.	Cut internal shapes.	Cut accurately and safely to a marked line.	
		- Cop. G. Co.	Use lolly sticks/card to make levers and	Join and combine materials with
MAKE	Cut along lines, straight and curved	linkages.	temporary, fixed or moving joining's.	
	Curl paper	Use linkages and sliders to make	Use craft knife, cutting mat and safety	
≥	_		movements larger or more varied.	ruler under supervision if appropriate.
		Use a hole punch.		
			Use and explore complex pop ups.	Use a glue gun with close supervision.
		Insert paper fasteners for card linkages.		
			Create nets to support the design process.	Use nets and models to build prototypes
		Create hinges.		
			Explore and evaluate different ways of	Select from a wide range of materials
		Use simple pop ups.	joining materials	based on functional and aesthetic properties
		Investigate temporary joining - fixed and	Explore different finishes for their product	
		moving	using a range of materials	Explore and use different finishes taking
				into account the aesthetics of their
		Join appropriately for different materials		product
		and situations e.g. glue, tape etc.		
		Explore and use a wide range of different		
		materials according to their characteristics		
		materials according to their characteristics		
		Explore different ways of finishing their		
		product		
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EVALUATE	Explore and evaluate a range of existing products	Investigate and evaluate a range of existing products	Investigate and analyse a range of existing products based on functional and aesthetic qualities
	Discuss ideas and products with others	Evaluate their ideas and products against	·
		design criteria and seek the views of	Evaluate their ideas and products against
	Evaluate ideas and products against design criteria	others to improve their work	their own design criteria
		Understand how key events and individuals in design technology have helped to shape the world	Actively seek and consider the views of others to improve their work
			Understand how key events and individuals in design technology have helped to shape the world.
IEGHNIGAL KNOWLEDGE	Make vehicles with construction kits which contain free running wheels.	Incorporate a circuit with a bulb or buzzer into a model.	Incorporate motor and a switch into a model.
	Use a range of materials to create models	Use mechanical systems in their products	Control and monitor a product using a
) 	with wheels and axles e.g. tubes, dowel, cotton reels.	(e.g. levers and linkages)	computer.
\geq		Create shell or frame structures -	Understand and use mechanical systems in
<u>~</u>	Explore and use sliders and levers in their	strengthen frame s with diagonal struts.	their products
1	products		(e.g. gears, pulleys and cams)
()	B. M. Carala at a straight	Make structures more stable by giving	And their advateding fig.
\geq	Build simple structures	them a wide base.	Apply their understanding of how to reinforce and strengthen increasingly
	Explore ways of making their structure	Prototype frame and shell structures.	complex structures using a range of
	stronger and more stable	Trototype fruite and shell structures.	materials.
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Develop a food vocabulary using taste, Develop sensory vocabulary/knowledge Analyse food products taking into account using, smell, taste, texture and feel. the properties of ingredients and sensory smell, texture and feel. characteristics. Group familiar food products e.g. fruit and Analyse the taste, texture, smell and appearance of a range of foods. Select and prepare foods for a particular vegetables. purpose COOKING AND NUTRITION Cut, peel, grate and chop a range of Follow instructions. Taste a range of ingredients, food items to ingredients. develop a sensory food vocabulary for Make healthy eating choices from an use when designing. understanding of a balanced diet Work safely and hygienically. Weigh and measure using scales Join and combine a range of ingredients. Cut and shape ingredients using Understand the need for a variety of foods appropriate tools and equipment e.g. Work safely and hygienically. in a diet. grating Join and combine food ingredients Measure and weigh food items using non Measure and weigh ingredients appropriately e.g. beating, rubbing in. statutory measures e.g. spoons, cups. appropriately. Decorate appropriately. Work safely and hygienically. Show awareness of a healthy diet from an understanding of a balanced diet.

Understanding:

Explore the outdoor environment. Name and identify things that we might see growing in a garden.

Gain an understanding of what plants and vegetables need to grow effectively – explore what will happen if elements are missing.

Planting skills:

Plant seeds and bulbs in pots and planters and observe the changes over time.

Write labels for plants and vegetables in order to identify them.

Begin to understand that we can separate our fruit and vegetable waste from normal everyday waste.

Tool Skills

Select and use tools safely – with adult guidance when appropriate.

Use a trowel, spade or dibber to dig and or to make planting holes.

Use a hand fork to effectively remove weeds etc.

Use a rake to level soil and clear leaves etc.

Care skills:

Use a watering can to water plants when it's necessary to do so.

Understanding:

Explore the outdoor environment. Name and identify familiar plants and vegetables once grown.

Know what plants need to grow, name parts of a plant.

Planting skills:

Plant seeds and bulbs into the soil and firm in.

Sow seeds into a planter with guidance.

Take care of what we are growing.

Begin to understand that we can recycle our plant and veg waste.

Tool Skills

Select tools for a specific purpose and use them safely.

Understanding:

Begin to understand that plants and vegetables need diverse climates and conditions to grow in – e.g we grow tomatoes in a greenhouse

Develop an understanding of the lifecycle of a plant.

Planting skills:

Know that we plant things for a purpose and to try the products that we have grown.

Care and protect what we are growing using various techniques e.g watering, covering

To know and understand about decay e.g composting.

Harvest what we have grown e.g digging root crops such as potatoes and carrots without damaging them and pick peas and beans.

Tool Skills

Use various tools safely and without support to dig, plant and remove weeds etc.

Use secateurs to prune – with supervision where necessary.